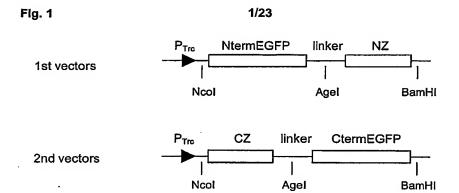
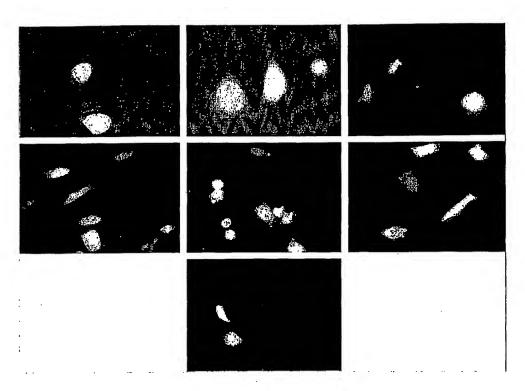
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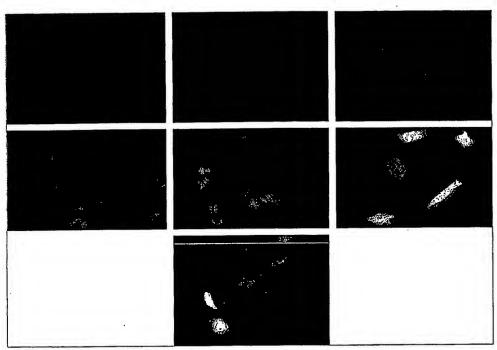


Fig. 4



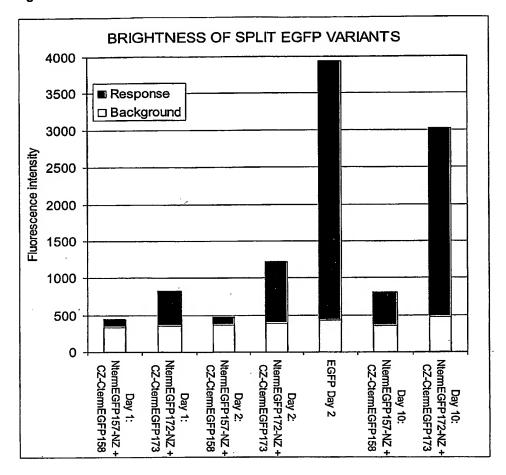
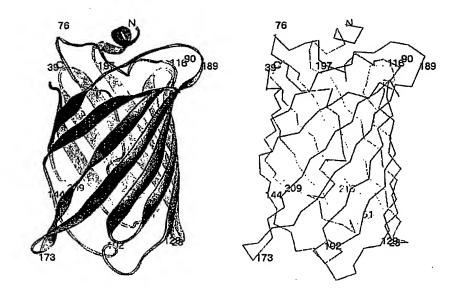
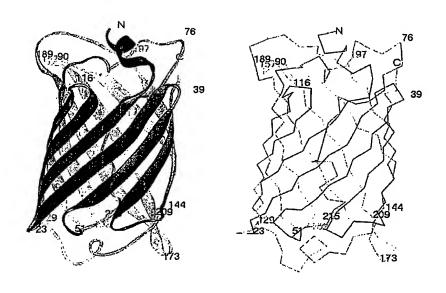
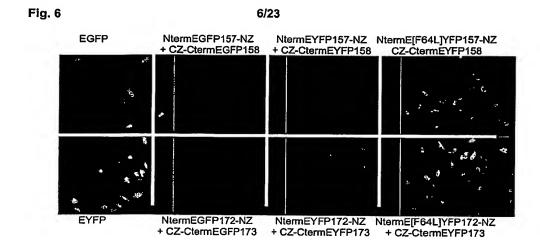
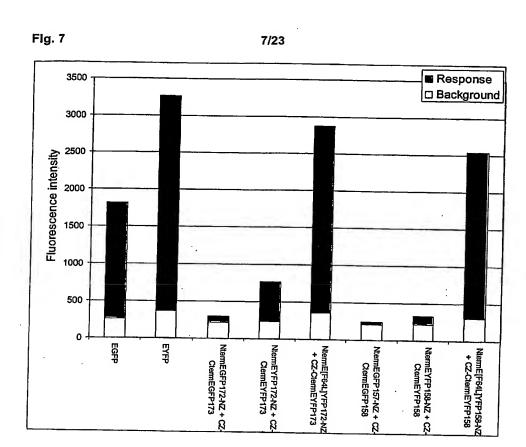


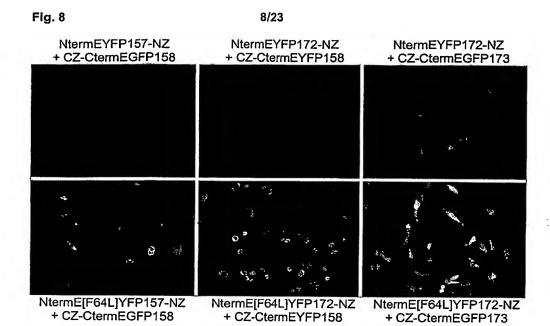
Fig. 5 5/23











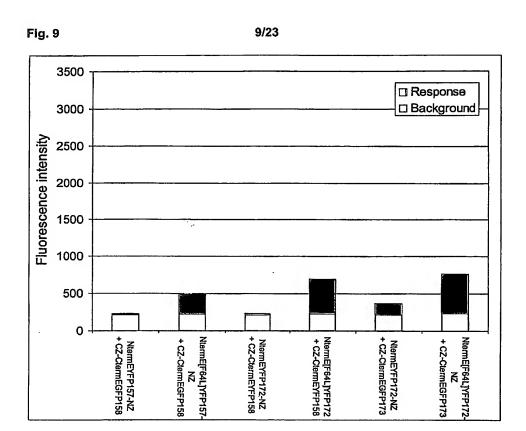


Fig. 10

10/23

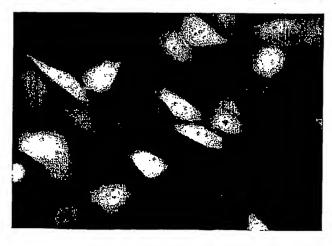
(a)



(b)

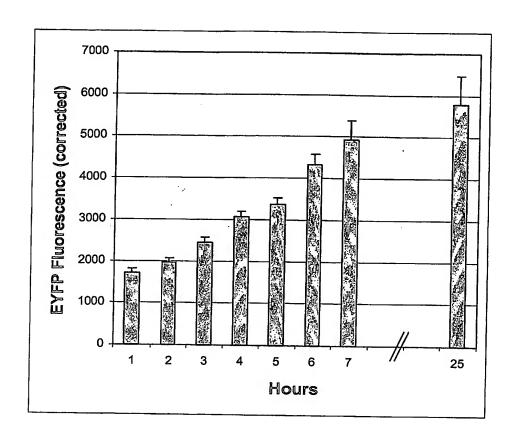


(c)



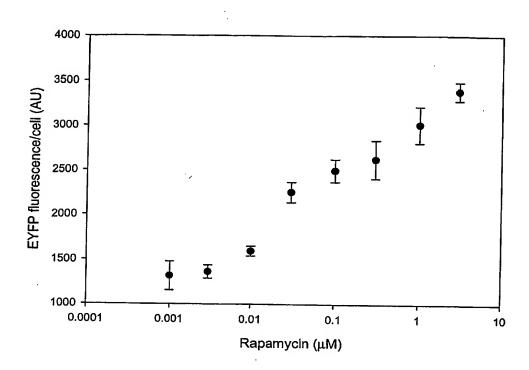
PCT/DK03/00266

Fig. 11



PCT/DK03/00266

Fig. 12





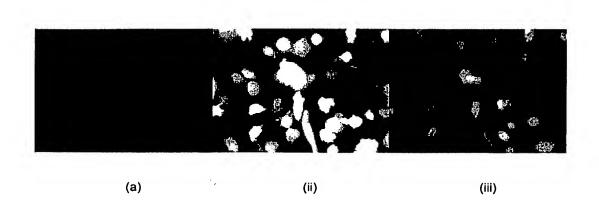


Fig. 13b

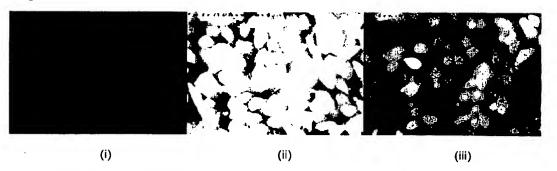
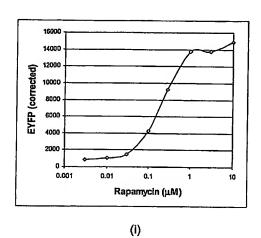


Fig. 14a



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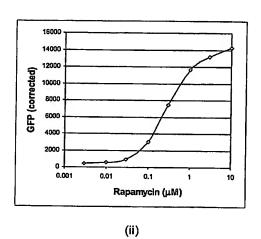
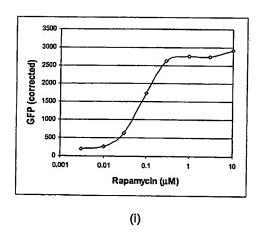


Fig. 14b



(ii)

PCT/DK03/00266



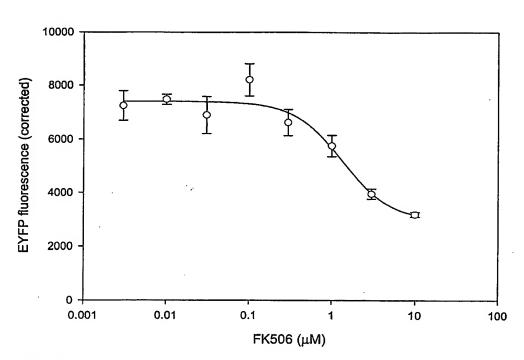
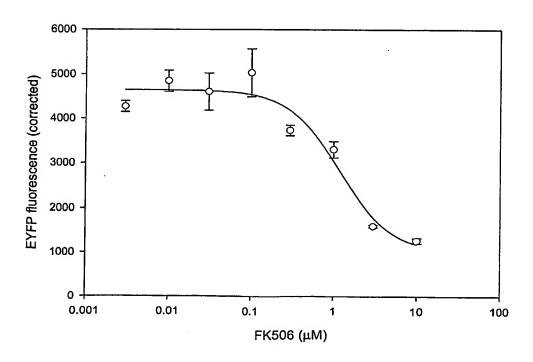


Fig. 15b

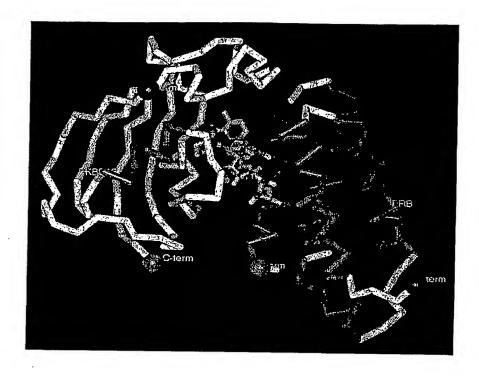


AP012221 aVGPP	Fig. 16		16/23	
### ### ### ### ### ### ### ### ### ##	P42212	avGFP		
### ### ### ### ### ### ### ### ### ##			MSKQILKNTCLQEVMSYKVNLEGIV	25
## ## ## ## ## ## ## ## ## ## ## ## ##	AF372525	rrGFP	MDLAKLGLKEVMPTKINLEGLV	22
### ### ### ### ### ### ### ### ### ##			mrssknvikefmrfkvrmegtv	22
### ### ### ### ### ### ### ### ### ##			MASFLKKTMPFKTTIEGTV	19
## AP384631 mGGPP	AF168422	asCP562	MAQSKHGLTKEMTMKYRMEGCV	22
AP9184683   mcGPP			MASFLKKTMPFKTTIEGTV	19
AP-16842 dSPP48 MCCKFVPCLSFLVLATNANTHENRADLESKTLRIPRAITMENT KROWKINGENV 66 AP-168420 dSPP483 ——MCSRSVIKESMILDHLEGT 9 AP-168423 zSPP538 ——MAISKHGLKESMAKASVEGIV 2 AF-168421 amFP486 ——MAISKHGLKESMAKASVEGIV 2 AF-168421 amFP486 ——MAISKHGLKESMAKASVEGIV 2 AV013824 amFP487 NGHKKSVSGEGEGDATYGKL—TLKFICTTG—KLFVPPTLVTTFSYGVQCFSRYDDIMK 2 AP-168421 acP562 DGHAFSMEGVGEGNILEGTQ—EWKISVTKGAPLPPATDIVSVAFSYGNNAYTGYPEBIS 8 AP-168421 acP562 DGHAFSMEGVGEGNILEGTQ—EWKISVTKGAPLPPATDIVSVAFSYGNNAYTGYPEBIS 8 AP-168423 acP562 NGHYFKCTGKGEGNPEGTQ—EWKISVTKGAPLPPATDIVSVAFSYGNNAYTGYPEBIS 8 AP-168423 acP562 DGHAFSMEGVGEGNILEGTQ—EWKISVTKGAPLPPATDIVSVAFSYGNNAYTGYPEBIS 8 AP-168423 acP562 DGHAFSMEGVGEGNPEGTQ—EWKISVTKGAPLPPATDIVSVAFSYGNNAYTGYPEBIS 8 AP-168423 acP563 DGHFYITGGGTGYPFKGYQ—ANICVEWEGDLPPATHILSTSCMYGSITPIKVYGGIP 7 AP-168423 acP563 DGHFYITGGGTGYPFKGYQ—SULNTTYEGGDLPPATHILSTSCMYGSITPIKVYGGIP 7 AP-168423 acP563 DGHFYITGGGTGYPFKGYQ—SULNTTYEGGDLPPATHILSTSCMYGSKTPIKVYGGIP 7 AP-168423 acP563 DGHFYITGGGTGYPFKGYQ—SULNTTYEGGDLPPATHILSTSCMYGSKTPIKVYGGIP 7 AP-168423 acP563 DGHFYITGGGTGYPFKGYQ—SULNTTYEGGDLPPATHILSTAPOYGNNAYTKYPDDIN 7 AP-168423 acP563 NGHKFYLTGGGGKFYBTQTG—INLEVKGGAPLPPATDILTTYPDIGNNYFAKYPDDIN 7 AP-168423 acP563 NGHKFYLTGGGGKFYBTQTG—INLEVKGGAPLPPATDILTTYPDIGNNYFAKYPDDIN 1 AP-168423 acP563 NGHKFYLTGGGGKFYBTQTG—INLEVKGGAPLPPATDILTTYPDIGNNAFYGNNATTYPDDIN 1 AP-168423 acP563 NGHKFYLTGGGGKFYBTQTG—INLEVKGGAPLPFATDILTTYPDIGNNAFYGNNATTYPDDIN 1 AP-168423 acP564 NGHFYBKKGKGQGFYBTGT—INLEVKGGAPLPFATDILTTYPDIGNNAFYGNNATTYPDDIN 1 AP-168423 acP565 DFF NGSFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF			MYP8IKETMRVQLSMEGSV	19
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AP168420 deFP483				
AP168421 amppras			MKCKFVFCLSFLVLAITNANIFLRNEADLEEKTLRIPKALTTMGVIKPDMKIKLKMEGNV	60
AP168421 ampf496 ——MALSHRIGLKEEMTHKYTHMBGCV 22 AP013824 amdFPxm ——MSKGEELPTGIVFVLIELDGDV 22 AP02212 avdFP MSKWFERGEGEGDATYGKL—TIKFICTG—KLPVPWPTLVTTFSYGVQCSSRYPDHIMK 75 AP372525 trGFP MNINVPTMEGCKGNILFGNQ—LVQIRVTKGAPLPPAFDIUSPAPPQWSHTFTKYPNDLS 83 AP36419 dasReD MGHPF MNINVPTMEGCKGNILFGNQ—LVQIRVTKGAPLPPAFDIUSPAPPQWSHTFTKYPNDLS 83 AP322222 asCP562 MGHYFKCTGKGEGNPFFEGTQ—EMKIEVIEGGPLPPAFFILISTSCMYGSKFTIKTVSGIF 77 AP322221 asFP645 MGHYFKCTGKGEGNPFFEGTQ—EMKIEVIEGGPLPPAFFILISTSCMYGSKFTIKTVSGIF 77 AP322221 asFP645 MGHYFKCTGKGEGNPFFEGTQ—EMKIEVIEGGPLPPAFFILISTSCMYGSKFTIKTVSGIF 77 AP324221 asFP645 MGHYFKCTGKGEGNPFFEGTQ—SHIKLTITGGPLPPAFDILSTSCMYGSKFTIKTVSGIF 77 AP36463 mGGFP MFKFKTGKGEGNFFEGTQ—SHIKLTITGGPLPPAFFILISTSCMYGSKFTIKTVSGIF 77 AP364642 asCP562 MGHYFKCTGKGEGNFFEGTQ—SHIKLTITGGPLPPAFFILISTSCMYGSKFTIKTVSGIF 77 AP364642 amGFPM HGHKFVIKGGEGKKPFEGTQ—SHIKLTITGGPLPPAFFILISTSCMYGSKFTIKTVDDILT 17 AP168421 amF9646 MGHYFTVKGGEGKKPFEGTQ—SHIKLTITGGPLPPAFFILISTSCMYGSKFTIKTVDDILT 37 AP168421 amF9648 MGHYFTVKGGEGKKPFEGTQ—SHIKLTITGGPLPPAFFILISTSCMYGSKFTIKTVDDILT 37 AP168421 amF9648 MGHYFTVKGGEGKKPFEGTQ—SHIKLTITGGPLPPAFFILISTSCMYGSKFTIKTVDDILT 37 AP168421 amF9648 MGHYFTVKGGEGKKPFEGTQ—SHIKLTITGGPLPPAFFILISTSCMYGSKFTIKTVDDILT 37 AP168421 amF9648 MGHYFTVKGGEGKKPFEGTQ—SHIKLTITGGPLPPAFFILISTSCMYGSKFTIKTVDDILT 37 AP168423 abF9652 —DHYKNSTBGGGYPFKKKQ—TINLTVCHGGPLPPFSBDILSAGFKYGDRTFTSYPDDIL 37 AP168423 abF9652 —DHYKNSTBGGGVPGTM-TITTTFUTKGGPLPPAFFILISTSCMYGSKFTXPDDILT 38 AP168423 abF9652 —DHYKNSTBGGGVPGTM-TITTTFUTKGGPLPPAFFILISTSCMYGSKFTXPDDIL 38 AP168423 abF9654 —DHYKNSTBGGGVPGTM-TITTTFUTKGGPLPPAFFILISTSCMYGSKFTXPDDIL 31 AP168423 abF9656 —DHYKNSTBGGGVPGTM-TITTTFUTKGGPLPPAFFILISTSCMYGSKFTXPDDIL 31 AP168424 amGFPM —DFKSGFFFFTMTTTTTTFUTKGGPLPAFFILISTSCMYGSKFTXPDDILT 31 AP168423 abF9656 —DFKSGFFFFTMTTTTTTFUTKGGGFLTAGFTTMTTFTSYKDGAPTAGFTTMTTFTSYKDGAPTAGFTTMTTTFTTMTTTFTTMTTTTTTTTTTTTTTTTTTT			MSCSKSVIKEEMLIDLHLEGTF	22
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AP015995   THOFP			MONGER PROTECTION TO SOME	22
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AP373252				
AP168419 dsRED AP322222 asCP562 DGHKFVITGKGRUNPFEGTOEMKIEVIEGGPLPFAPDILISPOPOYGSKYVYKHPADIP 80 AP322221 asFP499 AP384683 mGGFP AP342622 maGFP5 AP384683 mGGFP AP168422 asCP562 DGHKFVITGKGRUNPFEGTOSMKIEVIEGGPLPFAPHILISTSCMYGSKTPIKYVGGTP 77 NGHKFVIKGGRGKPYEGTOSMKIEVIEGGPLPFAPHILISTSCMYGSKTPIKYVGGTP 77 NGHKFVIKGGRGKPYEGTOSMKIEVIEGGPLPFAPHILISTSCMYGSKTPIKYVGGTP 77 NGHKFVIKGGRGKPYEGTOSMKIEVIEGGPLPFAPHILISTSCMYGSKTPIKYVGGTP 77 NGHKFVIKGGRGKPYEGTOSMKIEVIEGGPLPFAPHILISTSCMYGSKTPIKYPGDIP 76 AP168424 csFP484 AP168423 asFP499 AP168423 asFP499 AP168423 asFP499 AP168424 amFP486 AP168423 amFP486 AP168423 amFP486 AP168423 amFP486 AP168423 amFP486 AP168423 asCP562 AP168424 amFP486 AP168426 asCP564 AP168429 asCP562 AP168420 asCP564 AP168420 asCP564 AP168421 amFP486 AP168421 amFP486 AP168422 asCP562 AP168422 asCP562 AP168423 asCP564 AP168420 asCP565 AP168420 asCP565 AP168420 asCP564 AP168420 asCP565 AP168421 amFP486 AP168420 asCP5650 AP168420 asCP5650 AP168420 asCP5650 AP168420 asCP5650 AP168420 asCP5650 AP168420 asCP5650 AP168420 asC				
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AP168422 ascP562 DGHKFVITGEGIGYPFKCKQ -AINLCVVEGGPLPFAEDILSAAFNYGNEVFTEYPODIV 80 AF246709 asFP595 NGHYFKCTGKGEGNPFEGTQ -EMKIEVIEGGPLPFAFDILSHAFQYGNEVFKYFKETP 77 AF384683 mcGFF AF168420 dsFF484 NGHKFVIKGEGEKFFEGTQ -SINTITTEGGPLPFAFDILITSAFQYGNEVFKYFKETP 77 AF168420 dsFF483 NGHKFVIKGEGEKFFEGTQ -SINTITTEGGPLPFAFDILITSAFQYGNEVFKYFDDIP 76 AF168420 dsFF483 NGHYFFKEGRKFYEGTQ -SINTITTEGGPLPFAFDILITSAFQYGNEVFKYFDDIP 76 AF168421 asFP486 NGHKFVIKGEGEKFFEGTQ -SINTITTEGGPLPFAFDILITSAFQYGNEVFKYFDDIP 76 AF168422 asFP593 NGHKFVITGEGEKFFEGTQ -SINTITYKEGGALPFAFDILITSAFQYGNEVFKYFDDIP 76 AF168421 amFP486 NGHYFTVKGEGEKFFEGTQ -SINTITYKEGGALPFAFDILITSAFQYGNEVFKYFDDIP 76 AF168421 amFP486 NGHYFTVKGEGEKFFEGTQ -SINTITYKEGGALPFAFDILITSAFQYGNEVFKYFDDIP 78 AF168421 amFP486 NGHYFTVKGEGEKFFEGTQ -SINTITYKEGGLPFAFDILISAAFKYGDIF FYKTDDIP 78 AF168421 amFP486 NGHYFTVKGEGEKFYFGTD -TINTITYKEGGLPFAFDILVSIAFQYGNETFYKYDDID 83 AF168421 amFP486 NGHYFTVKGEGREYFFKGA -TINTITYLEGGFPFAFDILVSIAFQYGNETFYKYDDIT 81 AF168422 asCP562 NGHYFTVKGEGREYFFKGA -TINTITYLEGGFPFAFDILVSIAFQYGNETFYKYDDIT 87 AF168422 asCP562 NGHYFTVKGEGEGGADAYGKL -EIKFICTTG -KLPVPWFTLVTFSYGIQCFARYPEHMK 79 AF168422 asCP562 -DYFKGSFPEGFYWERTILRYEGGGLVEIRSII -NLIE -DKFYVRVEYKGSNEPDDG 13 AF168422 asCP562 -DYFKGSFPEGFYWERTILRYEGGGLVEIRSII -NLIE -DKFYVRVEYKGSNEPDDG 13 AF168423 asFP401282 asCP562 -DYFKGSFPEGFYWERTITYEGGGIVEIRSII -SLED -GKFYVRVEYKGSNEPDDG 13 AF168420 dsFF484 NGGFP AF168421 asFP484 -DYFKQSFPEGFYWERTITYEGGGIVEIRSII -SLED -GKFYVKVKILGNNFPADG 13 AF168422 asCP562 -DYFKGSFPEGFYWERTITYEGGGIVEIRSII -KMEGO-DCLVYKKVLIGNNFPADG 13 AF168423 asFP401282 asCP562 -DYFKGSFPEGFYWERTITYEGGGIVEIRSII -KMEGO-DCLVYKKVLIGNNFPADG 13 AF168420 dsFF484 -DYFKQSFPEGFYWERTITYEGGGIVEIRSII -KMEGO-DCLVYKKVLIGNNFPADG 13 AF168421 amFP486 -DYFKGSFPEGFYWERTITYEGGGIVEIRSII -KMEGO-DCLVYKKVLIGNNFPADG 13 AF168422 asCP562 -DYFKGSFPEGFYWERTITYEGGGIVEIRSII -KMEGO-DCLVYKKVLIGNNFPADG 13 AF168423 asCP565 -DYFKGSFPEGFYWERTITYEGGGIVEIRSII -KMEGO-DCLVYKVKULIGNNFPADG 13 AF168421 amFP486 -DYFKGSFPEGFYWERTITYEGGGIVEIRSII -KMEGO-DCLVYKVKULI				
AP342221 aspF499 AP346709 aspF595 AP346833 mcGFF AP401282 mtGFFP AP401282 mtGF				
AP324221 asp7499 NYHAPKCTGKGGGKYPEGTQSLNTITIEGGPLPPAFDILISHAFQYGIKVPAKYPKETP 77 AP36483 mcGFP AF168420 dsp7481 NGHKPVIEGGGKKPFEGTQSINDITVKEGAPLPPAYDILITAFQYGRRVPAKYPQDIP 76 AF168420 dsp7483 NGHYPEIKGKKGQFDRSTTTINLEVKKGAPLPPAYDILITAFQYGRRALTKYPDDIA 11 AF168421 dsp7483 NGHYPEIKGKKGQFDRSTTNTUTLEVTKGGPLPPFSWHILCPGYGNKAFVHHPDHIH 80 AF168421 amf9486 NGHYPEIKGKKGQFDRSTTNTUTLEVTKGGPLPPFSWHILCPGYGNKAFVHHPDHIH 80 AF168421 amf9486 NGHYPEIKGKKGQFDRSTTN-TUTLEVTKGGPLPPFSWHILCPGYGNKAFVHHPDHIH 80 AF168422 amf9548 NGHYPITGGGIGYPFKGKQTINLCVIEGGPLPPFSWHILCPGYGNKAFVHHPDHIH 80 AF168423 amf9486 NGHYPTVKGGGNGKPTSTTGTSTKVTMANGGPLAFFSPHILSTVFKYGNGFTAYPTSMP 82 AF168422 amf9548 NGHYPTVKGGGNGKPTSTTGTSTKVTMANGGPLAFFSPHILSTVFKYGNGFTAYPTSMP 82 AF168423 amf9486 NGHYPTVKGGGNGKPTSTTGTSTFKVTMANGGPLAFFSPHILSTVFKYGNGFTAYPTSMP 82 AF168422 amf9549DYFLQSFPAGFWIERTLRYEDGGLVEIRSDINLIEDKFVYRVEYKKGSNFPDDG 13 AF168422 amf9549DYFLQSFPAGFWIERTLRYEDGGTAIVKSHISLEDGKFIVNVDFKKKDLRRMG 13 AF168423 amf9486 NGFP AF168424 cmfp486DYFLQSFPEGFTWRENTTYTEDGGTAIVKSHISLEDGKFIVNVDFKKKDLRMFPADG 13 AF168423 amf9486 NGFP AF168424 cmfp486DYFKQSFPEGFWERTTTYTEDGGTTANDTYSLDQDCLICKVKVLGTNFFADG 13 AF168423 amf9486DYFKQSFPEGFWERTTTYTEDGGTTANDTYSLDQDCLICKVKVLGTNFFADG 13 AF168423 amf9486DYFKQSFPEGFWERTTTYTEDGGTATANDTHSLTCCNCEYTYDIKFTGNNFFADG 13 AF168423 amf9486DYFKQSFPEGFWERTTTYTEDGGTATANDTHSLTC				
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AF168421 amF9486DYFKOAFPDGMSYERTFTYEDGGVATASWEISLKGNCIYHKSIFNGMNFPADG 13: AY013824 amF9486DYFKQAFPDGMSYERTFTYEDGGVATASWEISLKGNCFEHKSTFHGVNFPADG 13: AY013824 amGFPXM MNDFFKSAMPEGYIQERTIFFQDDGKYKTRGEVKFEGDTLVNRIELKGMDFKEDG 13:  P42212 avGFP AY015996 rmGFP AY015996 rmGFP AF168419 dsRED AF168419 dsRED AF168422 asCP562 AF168422 asCP562 AF168422 asCP562 AF168422 asCP562 AF168423 asCP562 AF168424 csFP484 AF168426 mcGFP AF322221 asFP499 AF384683 mcGFP AF401282 mfGFP AF401282 mfGFP AF168424 csFP484 AF168426 asCP565 AF168427 csFP484 AF168428 mcGFP AF168428 mcGFP AF168429 mcGFP AF168420 asCP562 AF168420 asCP563 PVM-QKKTCWEPSTETVIPRDGULKGDVMALLLEGGGHYRCDFKSTYKAKKR- 18: AF168420 asCP595 PVM-QKKTLKWEPSTEKMYVRDGULKGDVMALLLEGGGHYRCDFKSTYKAKKR- 18: AF168421 asFP489 AF168422 zsFP538 PVM-QKKTLWEPSTERMYVRDGULKGDVMALLLEGGGHYRCDFKSIYKAKKR- 18: AF168421 zsFP538 PVM-QKKTLWEPSTERLYPRDGULGDIHHALTVEGGGHYRCDFKSIYKAKKR- 18: AF168421 amF9486 PVM-QKAILGMEPSFEVYNNSGULVGEVDLVYKLESGNYYSCHMKTFYRAKKAR- 18: AF168421 amF9486 PVM-QKAILGMEPSFEVYNNSGULVGEVDLVYKLESGNYYSCHMKTFYKAKKV- 19: AF168421 amF9486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVSMYLLLKDGGRYRCOFDTVYKAKSVP 19: AF168421 amF9486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVSMYLLLKDGGRYRCOFDTVYKAKSVP 19: AF168421 amF9486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVSMYLLLKDGGRYRCOFDTVYKAKSVP 19: AF168421 amF9486 PVM-AKKTTGWDPSFEKMTYCDGILKGDVSMYLLLKDGGRYRCOFDTSYKKKK- 18: AF168421 amF9486 PVM-AKKTTGWDPSFEKMTYCDGILKGDVSMYLLLKDGGRYRCOFDTSYKKKK- 18: AF168421 amF9486 PVM-AKKTTGWDPSFEKMTYCDGILKGDVSMYLLLKDGGRYRCOFDTS	AY015995	spGFP	DYFVQSFPAGFFYERNLRFEDGAIVDIRSDISLEDDKFHYKVEYRGNGFPSNG	136
AF168421 amFP486DYFKQAFPDGMSYERTFTYEDGGVATASWEISLKGNCFEHKSTFHGVNFPADG 13: AY013824 amGFPXM MNDFFKSAMPEGYIQERTIFFQDDGKYKTRGEVKFEGDTLVNRIELKGMDFKEDG 13: P42212 avGFP AY015996 rmGFP AY015996 rmGFP AF168419 dsRED AF168419 dsRED AF168420 asCP562 AF168420 asCP562 AF168420 asCP562 AF246709 asFP595 AF322221 asFP499 AF3322221 asFP499 AF3401282 mfGFP AF401282 mfGFP AF401282 mfGFP AF168424 csFP484 AF168425 asCP568 AF168426 asCP569 AF384683 mcGFP AF168427 mfGFP AF168428 mcGFP AF168429 mfGFP AF168420 mfGFP AF168420 mfGFP AF168420 mfGFP AF168421 amFF486 AF168421 amFF486 AF168422 asCP588 AF168422 asCP588 AF168423 asCP588 AF168424 csFP484 AF168426 mfGFP AF168427 mfGFP AF168428 mfGFP AF168428 mfGFP AF168429 mfGFP AF168420 mfGFP AF168420 mfGFP AF168420 mfGFP AF168421 mfGFP AF168421 mfGFP AF168421 mfGFP AF168422 mfGFP AF168422 mfGFP AF168423 mfGFP AF168421 mfGFP AF168421 mfGFP AF168421 mfGFP AF168422 mfGFP AF168422 mfGFP AF168423 mfGFP AF168423 mfGFP AF168423 mfGFP AF168423 mgGFP AF168423 mgGFP AF168421 mmF4486 pvM-QKKTLKWEPSTEKMYVR-DGVLVGDISHSLLLEGGGHYRCDFKSIYKAKKV- 224 AF168421 mmF4486 pvM-AKKTTGWDPSFEKMYVC-DGILKGDVSMYLLLKDGGRYRCOFDTVYKAKSVP 193 AF168421 mmF4486 pvM-AKKTTGWDPSFEKMTVC-DGILKGDVSMYLLLKDGGRYRCOFDTSYKKK- P 186 AF168421 mmF4486 pvM-AKKTTGWDPSFEKMTYC-DGILKGDVSMYLLLKDGGRYRCOFDTSYKKK- P 186 AF168421 mmF4486 pvM-AKKTTGWDPSFEKMTYC-DGILKGDVTAFLMLOGGGNYRCOFDTSYKKK- P 186 AF168421 mmF4486 pvM-AKKTTGWDP	AF168423	zsFP538	DYFKNSCPAGYTWGRSFLFEDGAVCICNVDITVSVKENCIYHKSIFNGMNFPADG	135
AY013824 amgfpxm MNDFFKSAMPEGYIQERTIFFQDDGKYKTRGEVKFEGDTLVNRIELKGMDFKEDG 13  P42212 avgfp NILGHKLEYNYNSHNVYIMADKQKNGIKVNFKIRHNIEDGSVQLADHYQQNTPIGDGP 19  AY015996 rmgfp PVM-QKTILGIEPSFEAMYMNNGVLVGEVILVYKLNSGKYYSCHMKTLMKSKGVV 19  AF372525 rrgfp PVM-QCKTIMGWEASTERLYPRDGVLKGEIHKALKLKDGGHYLVEFKSIYMAKKP- 18  AF322222 asCP562 PVM-CKKTTMWEASTERLYPRDGVLKGDVSMYLLLKDGGRLRCQFDTVYKAKSVP 19  AF168422 asCP562 PVM-CKMTDNWEPSCEKIIPVPKQGILKGDVSMYLLLKDGGRLRCQFDTVYKAKSVP 19  AF322221 asFP499 PVM-QKKTCWSPSTETVIPRDGVLKGDVSMYLLLKDGGRLRCQFDTVYKAKKP- 18  AF384683 mcGFP  AF401282 mfGFP  AF401282 mfGFP  AF401282 mfGFP  AF168424 csFP484 PVM-QKKTLKWEPSTEKMYVRDGVLKGDVSMALLLEGGGHYRCDFRSTYKAKKR- 18  AF168420 dsFP483 PVM-QKKTLKWEPSTEIMYVR-DGVLKGDVSMALLLEGGGHYRCDFKSIYKAKKV- 22  AF168420 dsFP483 PVM-QKKTLKWEPSTEIMYVR-DGVLKGDVSMALLLEGGGHYRCDFKSIYKAKKK- 18  AF168421 zsFP538 PVM-QKKTLKWEPSTERLYPRDGVLIGDIHHALTVEGGGHYRCDFKSIYKAKKA 18  AF168422 asFP538 PVM-CKMTTNWEASCEKIMPVPKQGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 19  AF168421 amfP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 19  AF168421 amfP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVSMYLLLKDGGRYRCQFDTVYKAKKVP 18  AF168421 amfP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVSMYLLLKDGGRYRCQFDTVYKAKKVP 18  AF168421 amfP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKAKK- 18	AF168421	amFP486	DYFKQAFPDGMSYERTFTYEDGGVATASWEISLKGNCFEHKSTFHGVNFPADG	135
P42212 avGFP AY015996 rmGFP AY015996 rmGFP AF168422 asCP562 AF168422 asCP562 AF246709 asFP595 AF322221 asFP499 AF368428 mcGFP AF168424 csFP484 AF168420 asFP595 AF168422 asCP562 AF168424 csFP484 AF168426 asFP489 AF168427 AF168428 mcGFP AF168428 mcGFP AF168428 asCP562 AF168428 mcGFP AF168420 asFP499 AF168420 asFP499 AF168420 asFP499 AF168421 amF486 AF168421 amF486 AF168421 amF486 AF168421 amF486 AF168422 asFP595 AF168422 asFP595 AF168421 amF486 AF168422 asFP595 AF168421 amF486 AF168421 amF486 AF168421 amF486 AF168422 amF486 AF168421 amF486 AF168422 amF486 AF168421 amF486 AF168421 amF486 AF168421 amF486 AF168422 amF486 AF168422 amF486 AF168421 amF486 AF168421 amF486 AF168421 amF486 AF168422 amF486 AF168422 amF486 AF168422 amF486 AF168423 amF4886 AF168421 amF4886 AF168421 amF4886 AF168421 amF4886 AF168421 amF4886 AF168422 amF4886 AF168421 amF4886 AF168422 amF4886 AF168421 amF4886 AF168421 amF4886 AF168422 amF4886 AF168423 amF4886 AF168424 AF168424 AF168424 AF168424 AF168424 AF168424 AF168424 AF168428 AF168	AY013824	amGFPXM	MNDFFKSAMPEGYIQERTIFFQDDGKYKTRGEVKFEGDTLVNRIELKGMDFKEDG	134
AY015996 rmgFP AF372525 rrgFP AF168419 dsRED AF322222 asCP562 AF168422 asCP562 AF168420 asFP595 AF322221 asFP499 AF322221 asFP499 AF346833 mcgFP AF401282 mfGFP AF401282 mfGFP AF468424 csFP484 AF168424 csFP484 AF168424 csFP484 AF168424 csFP484 AF168426 asFP595 AF384683 mcgFP AF384683 mcgFP AF401282 mfGFP A				
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AF168419 dsred AF322222 asCP562 AF168422 asCP562 AF168422 asCP562 AF246709 asFP595 AF322221 asFP499 AF384683 mcGFP AF401282 mfGFP AF168424 csFP484 AF168420 dsFP483 AY015995 spGFP AF168421 amFP486 AF168421 amF9486 AF168421 amF9486 AF168422 asFP538 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168422 asFP538 AF168421 amF9486 AF168421 amF9486 AF168422 asFP538 AF168421 amF9486 AF168422 asFP538 AF168421 amF9486 AF168422 asFP538 AF168421 amF9486 AF168422 asFP538 AF168421 amF9486 AF168421 amF9486 AF168422 asFP538 AF168421 amF9486 AF168422 asFP538 AF168421 amF9486 AF168422 asFP538 AF168423 asFP538 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168422 asFP538 AF168423 amF9486 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168421 amF9486 AF168422 asFP538 AF168423 amF9486 AF168421 amF9486 AF168422 amF9486 AF168421 amF94			PVM-QKTILGIEPSFEAMYMNNGVLVGEVILVYKLNSGKYYSCHMKTLMKSKGVV	190
AF168422 asCP562 P			PVM-QQDIVGMQPSYESMYTNVTSVIGECIIAFKLQTGKHFTYHMRTVYKSKKPV	187
AF168422 asCP562 PVM-KKMTDNWEPSCEKIIPVPKQGILKGDVSMYLLLKDGGRLRCQFDTVYKAKSVP 19: AF246709 asFP595 PVM-QNKAGRWEPATEIVYEVDGVLRGQSLMALKCPGGRHLTCHLHTTYRSKKPASA-18: AF322221 asFP499 PVM-QKKTCGWEPSTETVIPRDGGLLRDTPALMLADGGHLSCFMETTYKSKKE-18: AF384683 mcGFP PVM-QKKTLKWEPSTEKMYVRDGVLKGDVNMALLLEGGGHYRCDFRSTYKAKKF-18: AF401282 mfGFP PVM-QKKTLKWEPSTEKMYVRDGVLKGDVNMALLLEGGGHYRCDFKTTYKAKKF-18: AF168424 csFP484 PVM-QKKTLKWEPSTEKMYVRDGVLVGDISHSLLLEGGGHYRCDFKSIYKAKKV-22: AF168425 zsFP538 PVM-QKKTLKWEPSTERLYPRDGVLIGDIHHALTVEGGGHYACDIKTVYRAKKA-18: AF168421 amF9486 PVM-KMTTNWEASCEKIMPVPKQGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 19: AF168421 amF9486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 18:	AF168419	dsRED	PVM-QKKTMGWEASTERLYPRDGVLKGEIHKALKLKDGGHYLVEFKSIYMAKKP-	186
AF246709 asFP595 PVM-QNKAGRWEPATEIVYEVDGVLRGQSLMALKCPGGRHLTCHLHTTYRSKKPASA- 186 AF322221 asFP499 PVM-QKKTCKWEPSTETVIPRDGGLLERTPALMLADGGHLSCFMETTYKSKKE- 18: AF384683 mcGFP PVM-QKKTLKWEPSTEKMYVRDGVLKGDVNMALLLEGGGHYRCDFKSTYKAKKF- 18: AF401282 mfGFP PVM-QKKTLKWEPSTEKMYVRDGVLKGDVNMALLLEGGGHYRCDFKSTYKAKKF- 18: AF168424 csFP484 PVM-QKKTLKWEPSTEIMYVRDGVLVGDISHSLLLEGGGHYRCDFKSIYKAKKV- 22: AF168425 dsFP485 PVM-QKKTLKWEPSTERLYPRDGVLIGDIHHALTVEGGGHYACDIKTVYRAKKAA 18: AF168426 zsFP538 PVM-KMTTNWEASCEKIMPVPKQGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 19: AF168421 amF9486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 18:	AF322222	asCP562	PRDAEQS-	137
AF322221 asFP499 PVM-QKKTCGWEPSTETV1PRDGGLLLRDTPALMLADGGHLSCFMETTYKSKKE- 18: AF384683 mcGFP PVM-QKKTLKWEPSTEKMYVRDGVLKGDVMMALLLEGGGHYRCDFRSTYKAKKR- 18: AF401282 mfGFP PVM-QKKTLKWEPSTEKMYVRDGVLKGDVMMALLLEGGGHYRCDFKTTYKAKKF- 18: AF168424 csFP484 PVM-QKKTLKWEPSTEIMYVRDGVLVGDISHSLLLEGGGHYRCDFKSIYKAKKV- 22: AF168420 dsFP485 PVM-QKKTLKWEPSTEIMYVRDGVLIGDIHHALTVEGGGHYACDIKTVYRAKKAA 18: AF168421 zsFP538 PVM-QKAILGMEPSFEVVYNNSGVLVGEVDLVYKLESGNYYSCHMKTFYKKKSVP 19: AF168421 amFP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 19:	AF168422	asCP562	PVM-KKMTDNWEPSCEKIIPVPKQGILKGDVSMYLLLKDGGRLRCQFDTVYKAKSVP	191
AF384683 mcGFP AF401282 mfGFP AF401282 mfGFP AF168424 csFP484 AF168420 dsFP483 AF168420 dsFP483 AF168420 dsFP483 AF168420 dsFP483 AF168421 zsFP538 AF168421 amFP486 AF168421 amFP486 AF168421 amFP486 AF168421 amFP486 AF168421 amFP486 AF168421 amFP486 AF168421 pvw-QKKTLKWEPSTEKMYVRDGVLVGDISHSLLLEGGGHYRCDFKKIYKAKKV- 187 AF168421 amFP486 AF168421 amFP486 AF168421 amFP486 AF168421 pvw-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 187	AF246709	asrP595	PVM-QNKAGRWEPATEIVYEVDGVLRGQSLMALKCPGGRHLTCHLHTTYRSKKPASA-	186
AF401282 mfgFP PVM-QKKTLKWEPSTEKMYVRDGVLKGDVMMALLLEGGGHYRCDFKTTYKAKKF- 18 AF168424 csFP484 PVM-QKKTLKWEPSTEIMYVRDGVLVGDISHSLLLEGGGHYRCDFKSIYKAKKV- 224 AF168420 dsFP483 PVV-QKKTTWEPSTERLYPRDGVLIGDIHHALTVEGGGHYACDIKTVYRAKKAA 18 AY015995 spGFP PVM-QKAILGMEPSFEVVYMNSGVLVGEVDLVYKLESGNYYSCHMKTFYRSKGGV 19 AF168421 amFP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 186 AF168421 amFP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 186	AF322221	asrP499	PVM-QKKTCGWEPSTETVIPRDGGLLLRDTPALMLADGGHLSCFMETTYKSKKE-	183
AF168424 CsFP484 PVM-QKKTLKWEPSTEIMYVRDGVLVGDISHSLLLEGGGHYRCDFKSIYKAKKV- 224 AF168420 dsFP483 PVV-QKKTTGWEPSTERLYPRDGVLIGDIHHALTVEGGGHYACDIKTVYRAKKAA 187 AY015995 spGFP PVM-QKAILGMEPSFEVVYMNSGVLVGEVDLVYKLESGNYYSCHMKTFYRSKGGV 197 AF168421 zsFP538 PVM-KKMTTNWEASCEKIMPVPKQGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 197 AF168421 amFP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 188			PVM-QKKTLKWEPSTEKMYVRDGVLKGDVNMALLLEGGGHYRCDFRSTYKAKKR-	182
AF168420 dsFP483 PVV-QKKTTGWEPSTERLYPRDGVLIGDIHHALTVEGGGHYACDIKTVYRAKKAA 187 AY015995 spGFP PVM-QKAILGMEPSFEVYMNSGVLVGEVDLUYKLESGNYYSCHMKTFYRSKGGV 197 AF168421 zsFP538 PVM-KKMTTNWEASCEKIMPVPKQGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 197 AF168421 amFP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 188			PVM-QKATLKWEPSTEKMYVRDGVLKGDVNMALLLEGGGHYRCDFKTTYKAKKF-	185
AY015995 spGFP PVM-QKAILGMEPSFEVVYMNSGVLVGEVDLVYKLESGNYYSCHMKTFYRSKGGV 190 AF168423 zsFP538 PVM-KKMTTNWEASCEKIMPVPKQGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 193 AF168421 amFP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 186	DE160424	depres	PUN OVVEROUS BERNEY VR DGVLVGDISHSLLLEGGGHYRCDFKSI YKAKKV-	224
AF168423 Z8FP538 PVM-KKMTTNWEASCEKIMPVPKQGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP 193 AF168421 amFP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 188	VAU1 2002	CDCED	PUM-OVATI CHERGERIANDO GOULIGOTHHALTVEGGGHYACDIKTVYRAKKAA	187
AF168421 amFP486 PVM-AKKTTGWDPSFEKMTVCDGILKGDVTAFLMLOGGGNYRCOFHTSYKTK-KP 186			PUM-VENTTABLE A CONTROLL VOICE VOLVENTE YRSKGGV	190
AY013824 amgfpxm nilghkleynfnshnvyimpdkannglkvnfkirhniegggvQladhyQTnvplgdgp 192	AF168421	2917338	PVM-AKKTTOWDDDDDDWWWG DGILKGDVSMYLLLKDGGRYRCQFDTVYKAKSVP	191
	AY013824	amGFDYM	NTLGHKLEVNENGUMUTMODVANIGLWINGEVERINGEGGGNYRCQFHTSYKTK-KP	188
		umor enti	**************************************	192
P42212 avGFP VLLPDNHYLSTQSALSKDPNEKRDHMVLLEFVTAAGITHGMDELYK 238	P42212	avGFP	VLLPDNHYLSTQSALSKDPNEKRDHMVLLEFVTAAGITHGMDELYK 238	

Fig. 16 cont.		ont.	17/23		
	AY015996	rmGFP	KEFPSYHFIQHRLEKTYV-EDGG-FVEQHETAIAQMTSIGKPLGSLHEWV	238	
	AF372525	rrGFP	ETMPLYHFIQHRLVKTNV-DTASGYVVQHETAIAAHSTIKKIEGSLP	233	
	AF168419	dsRED	VQLPGYYYVDSKLDITSH-NEDYTIVEQYERTEGRHHLFL	225	
	AF322222	asCP562	RKMGASHRDTL	148	
	AF168422	asCP562	RKMPDWHFIQHKLTREDRSDAKNQKWHLTEHAIASGSALP	231	
	AF246709	asFP595	LKMPGFHFEDHRIBIMBE-VEKGKCYKQYEAAVGRYCDAAPSKLGHN	232	
	AF322221	asFP499	VKLPELHFHHLRMEKLNI-SDDWKTVEQHESVVASYS-QVPSKLGHN	228	
	AF384683	mcGFP	VQLPDYHFVDHRIEILSH-DNDYNTVKLSEDAEARYSMLPSQAK	225	
	AF401282	mfGFP	VQLPDYHFVDHRIEILSH-DKDYNKVKLYEHAEA-HSGLPROAK	227	
	AF168424	csFP484	VKLPDYHFVDHRIEILNH-DKDYNKVTLYENAVARYSLLPSQA	266	
	AF168420	dsFP483	LKMPGYHYVDTKLVIWNN-DKEFMKVEEHEIAVARHHPFYEPKKDK	232	
	AY015995	spGFP	KEFPEYHFIHHRLEKTYV-EEGS-FVEQHETAIAQLTTIGKPLGSLHEWV	238	
	AF168423	zsFP538	SKMPEWHFIQHKLLREDRSDAKNQKWQLTEHAIAFPSALA	231	
	AF168421	amFP486	VTMPPNHVVEHRIARTDLDKGGNS-VQLTEHAVAHITSVVPF	229	
	AY013824			220	

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Fig. 17



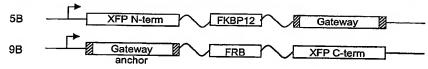
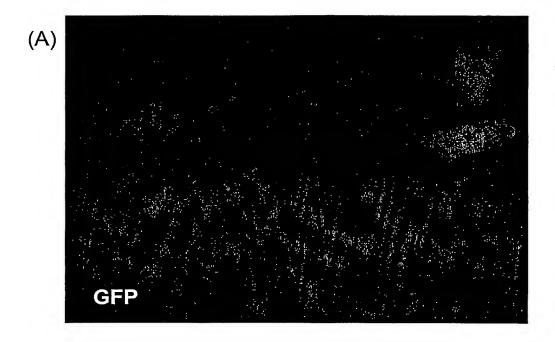
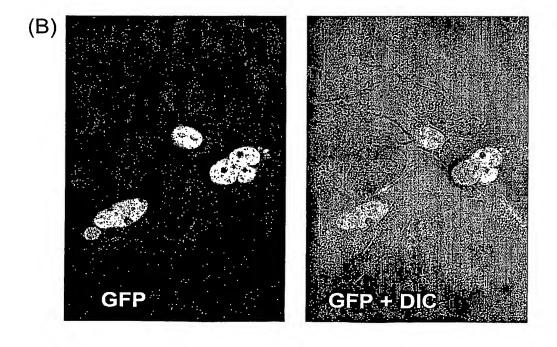


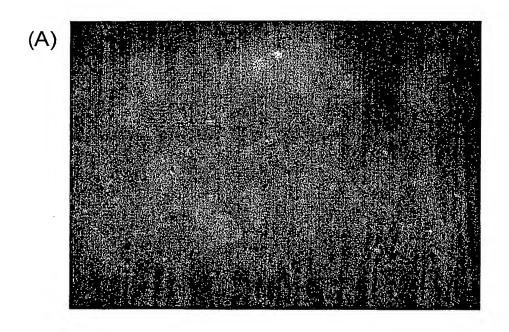
Fig. 18

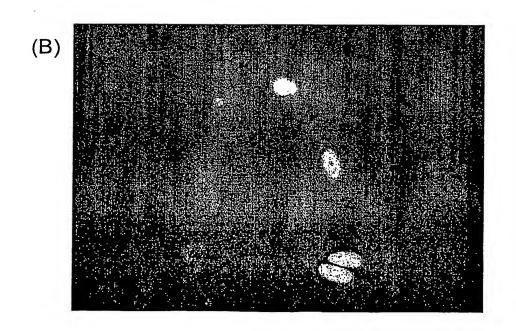




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Fig. 19





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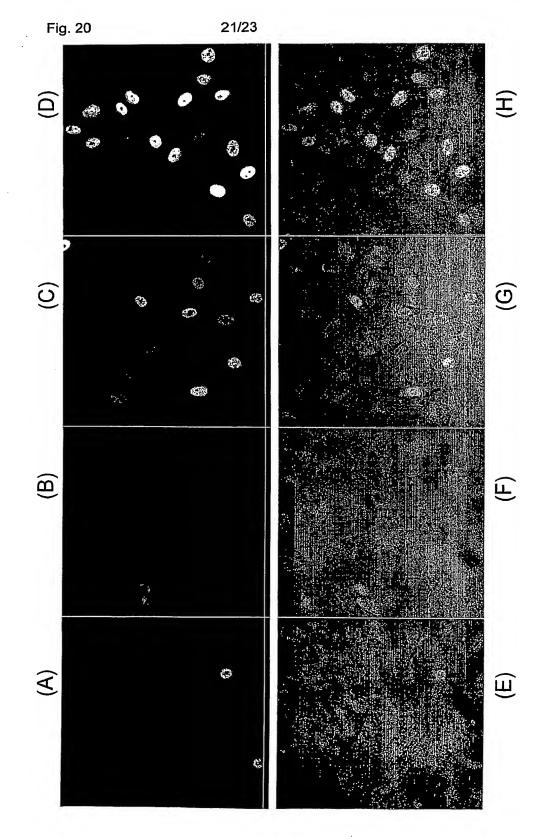


Fig. 21

TDC, IDC and TIDC assay configurations

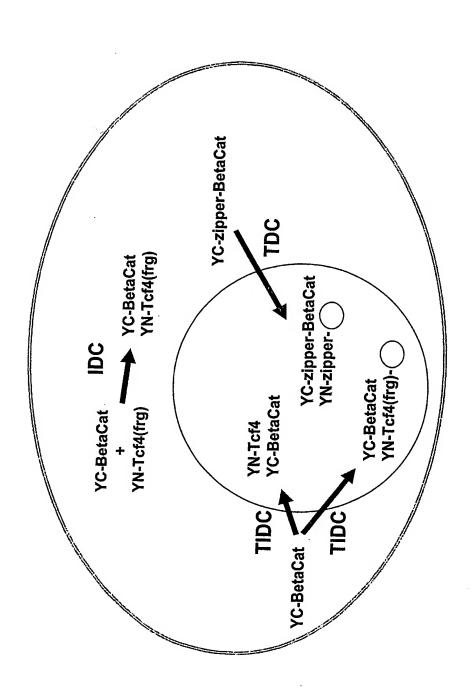
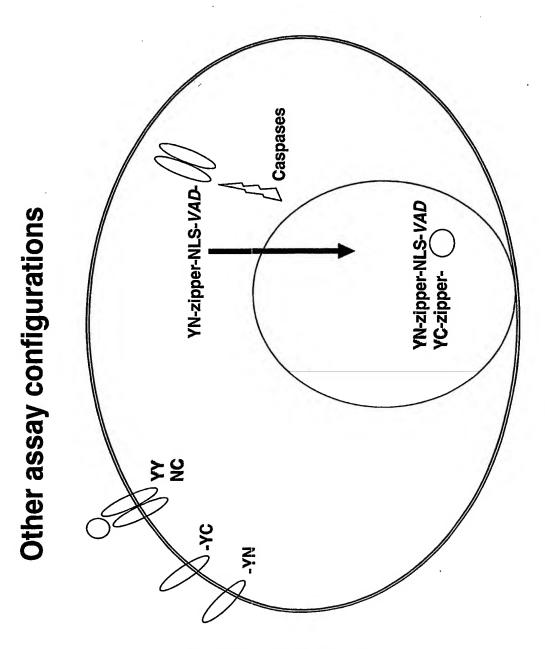


Fig. 22 23/23



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